Amateur Radio Station LOG

AMERICAN RADIO RELAY LEAGUE

NEWINGTON, CONNECTICUT, U.S.A.

CALLSIGN

VP5P

Book No.

From (82) (83) (84)

To

Price $1.75 in U.S.A.

OPTIONAL

ATTACH PHOTOCOPY OF YOUR LICENSE HERE.

IMPORTANT—FILL THIS OUT

CALLSIGN _____

Unless otherwise noted in the "COMMENTS" column, the following pertains to all entries made in this log:

Station Location _____
(Street Address)

_____
(City/Town)

_____ _____
(State/Province) (Country)

Time entries are in (check one): ☐ Coordinated Universal Time (UTC)

☐ _____ Time

Operator's Signature _____

EMISSION TYPES

AØ Steady, unmodulated, pure carrier.	F1 Frequency-shift keying (fsk).
A1 Telegraphy on pure continuous wave.	F2 Audio-frequency-shift keying (afsk).
A2 Amplitude tone-modulated telegraphy.	F3 Frequency or phase-modulated telephony.
A3 Amplitude-modulated telephony. A3 includes single and double sideband with full, reduced or supressed carrier.	F4 Facsimile (frequency-modulated).
	F5 Television (frequency-modulated).
A4 Facsimile (amplitude-modulated).	P Pulse.
A5 Television (amplitude-modulated).	

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ABOUT THIS LOG

THE ARRL UNIVERSAL LOG

Besides maintaining the minimum requirements, most radio amateurs keep a detailed log of their on-the-air activities. Such facilitates confirmation of QSL requests, investigation of potential TVI/RFI complaints, and detection of unauthorized use of your callsign. Keeping a neat accurate log is a matter of personal pride with the active radio amateur.

The ARRL Universal Log suits every type of amateur operation, DXing, contests, ragchews, casual. The left-hand segment of the log sheet contains generally **fixed** information which is not subject to change between contacts. This includes DATE, FREQ., MODE, and POWER. Consult the inside cover for mode designation unless you prefer to enter CW, SSB, FM, etc. The power should be indicated in watts input.

The right-hand segment of the log sheet contains the **variable** items that will change from contact to contact. This includes TIME (UTC recommended and indicated on inside cover), callsign of the STATION WORKED, and RST REPORT SENT and RECEIVED. The TIME OFF column may also be used to log EXCHANGE information for state QSO Parties and contests for which separate log sheets are not used. This column is located adjacent to the REPORT RECEIVED to facilitate this use. Otherwise, the station operator may use this column to log TIME OFF for ragchews and casual contacts. The COMMENTS column may be used for QTH, NAME, and QSL information, or any other information that the operator wishes to note. The COMMENTS column should also be used to indicate any variation from the standard information required on the inside cover. A checkmark will indicate QSL sent and received.

Be sure to fill out the required information on the inside cover.

LOG REQUIREMENTS

Although logging requirements have been relaxed in recent years, every Amateur Station in the U.S. must have a log with the following items as a **minimum** requirement:

1) The call sign of the station, the signature of the station licensee, or a photocopy of the station license.

2) The locations and dates upon which fixed operation of the station was initiated and terminated. If applicable, the location and dates upon which portable operation was initiated and terminated at each location.

3) The date and time periods the duty control operator for the station was other than the station licensee, and the signature and primary station call sign of that duty control operator.

4) A notation of third-party traffic sent or received, including names of all third parties, and a brief description of the traffic content. This entry may be in a form other than written, but one which can be readily transcribed by the licensee into written form.

5) Additional information as directed by the FCC.

6) Additional technical and other information when a station is remotely controlled, when a station has one or more associated stations, or when a station is operated in repeater operations. (See §97.103 of the Amateur Rules.)

RETENTION OF LOGS

The station log must be kept for a period of at least one year from the date of the last entry and be made available to the FCC for inspection if required.

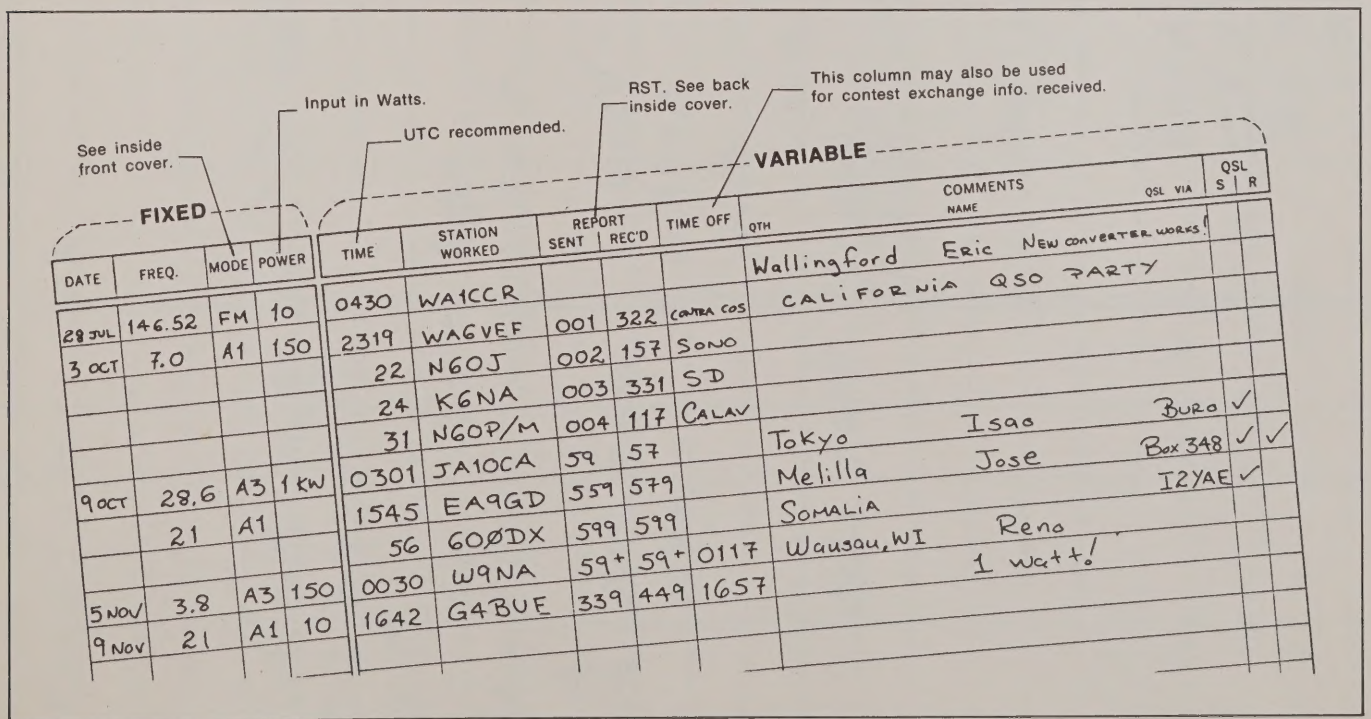
PORTABLE AND MOBILE OPERATIONS

Amateurs do not need to notify the FCC of mobile or portable operations. However, as seen in number 2 (above), the licensee must make a notation in the station log setting forth the locations and dates upon which fixed operation of the station is initiated and terminated. In addition, the licensee must make a notation for each time **portable** operation is initiated and terminated.

FCC defines portable operation as radiocommunications conducted from a specific geographical location other than that shown on the station license. Mobile operation is radiocommunication conducted while in motion or during halts at unspecified locations.

AVAILABILITY OF LICENSE

You must have your original license (or a photocopy) with you when you are operating mobile, portable, or guest-operating at another station. At your own station location you may post your license (or a photocopy) near the operating position in lieu of having it on your person. A convenient place is provided on the inside cover of this logbook for attaching a photocopy of your license. If you are guest-operating, you must have available for inspection the station license (or a photocopy) for that station, in addition to your own operator's license.



STATION NOTES:

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
2/25	147.0	FM		03					GGA JIC2 145.385		
3-02	50.1094 - SSB -			22? - 150°	Wkg WIP						
									46.73 - SS / Buzz -		
3-05	0142	SSB	80	50.110	CP 8AZ	56	54		DARROL - 46.76 - .079		
3-06	2325 - 2D0	TG 33							.082 - .850 ? - open		
3-17									6.925		
	0110 - 50.024 -	AD -							147.00		
4-10	- 1730 -	L48440	229 -						KP GKC		
									8A5		
↓	1747	MARS		L44VBY -		57 -	59+		(BW)		
	1752			L48440 -		59 -	57	(VICTOR)	ZD7 - 50.110 - 2100/		
				1200 Km - 0.7 Watts/					L48440.033		
				1 dipole - 5 mons -							
	0030	146.94		CGACA	Barry				2mA - .078		
				(CGANX) (146.940					ICSI		
									1719 - L458		
				2200 TO 2330 -					FUBDR -		
				944 TO VIC, FK, A35							
4-18									VP5IW - Grenada -		
1211		28.572			RH8HCV	57	57		RH8 HCV NICK ASHKHABAD Gov		
					UK8 QBE	58	58		RUSLAN		
1217					RB5 GFZ	57	59		alex -		
					UB5GBZ	59	59		-		
					UB5 QDF	59	59		EUGENE		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
4-11	28.372			1222	UB5 ELE	59	59		VLAD		
					UB5 MQT	59	59		VIC		
				1224	VK6 NVJ	57	57		ALEX - W.		
				1226	UA 6 AJF	56	59		-		
					RB6 MHY	56	56		LES		
					UA6 CBL	57	59		-		
					Z56 BBP	57	54		Hans		
				1234	UB5 JFQ	58	59		ANATOLE		
				1236	W8GiO	58	55		-		
5-02		50.114		2139	W4iuJ	58	59		Glen - W. Palm Beach		
				2144	KE4ICD	59	59		JACK - FLA		
				2146	W4 NVV	59	59		CARROLL - FLA.		
				2147	WB4 NiP	59	59		PAT - FLA		
				2150	WA4EWA	59	59		- FLA.		
				2157	KA4DNR	59	59		BILLY - FLA.		
				2158	W4EGR	59	59		HARVEY - PENSACOLA		
				2204	KL7JGi/4	59	59		DOVE - FLA.		
				2205	WA3BS2	59	59		JOHN - FLA.		
				2207	KR4 XX	59	59		JIM = FLA.		
				2208	WA4 MSN	59	59		CHUCK - FLA		
				2209	KA4[illegible] MXM	59	59		RICHARD - GA		
				2211	W4 EQM	59	59		CORKY - [illegible] AL		
				2212	KE4PE	59	59		ANGELO - FL		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
5-02											
				2214	WA4 OWC	59	59				
				2216	N142	59	59		CINDY		
					~~W4GRO~~	59	59				
				2224	W4ZND	59	59		BOB -		
				2224	WD4 AJCO	59	59		JOHN - Ga		
5-04				1208	N4KE	59	59		RON - FLA JOE		
5/5				0105	WA4QYK	~~58~~	59		DAVE -		
				0114	WD4LGR	59	59		WOODY -		
				0115	K4 ~~H28~~	59	59		BOB -		
				0119	WB8 IWI/4	59	59		LOU - SC.		
					~~E~~						
				0117	WD4 KPD/4	55	59		PARK 4 - 100 WTS/ 4EC.		
				0127	K4 J~~QQ~~	57	59		PAUL -		
				0128	WB4 NMA	57	57		- Ga		
					~~4~~WNN	55	58		ROY		
5/15 - (2045 - KAØKKO MN - EE 120											
				2317	VC1 4X	59	59		BOB -		
				2319	W2IDZ	59	59				
				2320	WB1 FUB	59	59		ARTIE - MASS		
				2320	K4 GOK	59	59		- Va -		
				2323	N3LC	57	57		LEE -		
				2324	W4CKD	59	59		BILL		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
					N4CD	59	59				
					K2MnB	59	59		NJ.		
					K3MLD	59	59		Pa		
					W1 [illegible]XX	59	57				
					K1 D2S	57	55		Bruce		
					WA2ASG	59	59				
					WB2TCD	59	59		Clare - NY		
					WB2 WB5	59	59		Alan - .		
					[illegible]						
					WB[illegible] AIT	59	59		(D) Pa		
					[illegible]						
				(N)	[illegible]3BHS	57	59				
					WA9KGW	57	55				
					WB8CXA	57	55				
					W[illegible]CMS	59	59		ohio		
					W3BWY	59	59				
					WB8FWQ	55	57		ohio		
					W1VD	59	59		Jay G.		
				2332	WB2 RVE	59	59		NJ		
5-23	—			1332	WB4 N[illegible]P	55			- N.Fla.		
				1335	WB4 4BG	59	59		Bill - Ga		
5-24				1623	K7ZOK	44	44		Hal - Nv.		
				1625	WA5UUD	59	59		Jack - LA.		
				1627	WB[illegible]4GQ/4	57	59		- NWFla		
					K5TA						
					WK2						

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
5-25	50.110	SSB	80	0004	WØSF	57	57				
				0009	WØ WKB	59	59		Harold - Iowa		
				0010	AD4F	59	59		Charley - TN.		
				0010	WA8 LRE	59	59		Lee - Jacksonville -		
				0012	KØWZQ	58	59		Ken - Oh.		
				0013	KE4HX	59	59		Jim - TN		
				0014	KØKQi	59	59		Bob - Nb.		
				0015	WB4YBH	59	59		Thom - Ga.		
				0017	KA4JWL	59	59		Mgmm - TN		
				0017	WA4PRM	59	59		TN		
				0017	KØKY2	59	59		Ken - Mo.		
				0018	AA4RM	59	59		Mary - Ga.		
					EW						
				0019	WAØEH	59	59		Wayne Iowa		
				0020	WA4MVi	59	59		Jim SC		
				0021	WD8 BBR	55	54		Chas - Oh		
				0022	K4PBP	59	59		Dick FL		
				0023	KA9CFD	59	59		- IL.		
				0023	KABMMi	59	59		Neil -		
				0024	WAØCOQ	59	59		Jim - Ø10.		
				0025	KC9 B	59	59		Bill - IL.		
				0025	WA4CCH	59	59		Chuck - Fla.		
				0026	K4MFT	59	59		- Ga		
				0027	WBØZFC	59	59		- Fo.		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH	NAME	QSL VIA	QSL S	QSL R
				0027	KØGNS	59	59		Rock	Mo			
				0027	KAØY	59	59		Kan	- Io.			
				0029	WD4OWR	59	59		Rc	- TN			
					~~DØF~~								
					~~FB~~								
				0030	N9ABR	59	59			Ill.			
				0031	WA8LXJ	59	59			oh			
				0031	KA8DYX	57	59			oh			
				0031	WD8DRG	59	59			oh			
				0032	WBØDBM	57	57		Bob	- Mo.			
				0033	WDØFOY	59	59			- Io.			
				0034	WBØULX	44	59			- SD			
				0035	N9AYO	59	59			- IL			
				0036	WB4QTW	59	59			- TN			
				0037	WD4JQV	59	57			- Ga			
					J								
				0038	N4EHY	59	59			- Ga			
				0039	WD4EGW	59	59		14	- Ga			
					WA4ZTK	59	59			TN	#318		
					WB4UHi	59	59			NC			
					K4PLN	59	59			TN			
				0040	WB2OTK/4	59	59						
				0041	WA4 iii	59	59		Greg	AL			
				0042	WB4MOW	59	59				306		
				0043	KA4YAQ	59	59			FL			
				0044	WA4HWQ	59	59			FL			

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH	NAME	QSL VIA	QSL S	QSL R
5-25				0045	KA4BJE	59	59		Duke	Miami, FL			
				0046	WB4MLE	59	59			– AL			
					KØUS	57	57		Dick	– NB			
					WØGHM	59	59		Clarence	– NB			
				0050	WØRNY	59	59		Bob	– MN			
				0051	K4WXX	59	59		BB	–			
				0052	WB9NTL	57	57		Ken	– Ind			
				0053	K8WK2	59	59		Dave	– Mich			
				0055	N9BEB	57	59		Don	– Ind			
				0056	WAØNOK	57	59		Larry	– MO			
				0057	WBØEGI	59	59		Arnold	– Io.	#37		
				0059	WBØQLT	57	59			– MO.			
				0100	KAØCIC	57	57/5		Bill	, MN			
				0100	KØCFQ	55			Burt	NB			
		Adjust clock		0103	WD5CAP	55	58			– Ark.			
				0103	WB8IGY	59	59			– Oh			
				0105	WB8IWI/4	59	59				N2JR/4		
				0107	N4CHD	59	59		Charlie	– Ga.			
				0108	KA4MXM	59	59			– Ga			
				0109	KD4LM	59	59		Dennis	Ga			
				0110	WA4JMØ	59	59		AL	Ga			
				0114	KCØHP	59	59		Mel	– MN			
				0112	WØBZF	59	59		Jack	– MN			
				0113	WAØEAY	57	59			– Io.			
				0115	KD4LK	59	59		Bob	– TN.			
				0115	W4DFW	59	59		Ken	Fla	Glowing		

T12Na

Tess

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
				0115	K4 GTQ	59	59		-		
				0117	K4 KVC	59	59		- KY		
				0119	WD4HOT	59	59		Ruven - AL		
				0118	WD4BUH	59	59		- NC		
				0120	W4 RXX	59	59		Bill - KY		
				0120	W4FY	59	59		Joe - MS		
ADJ.				0123	KG EiD	59	59		Bob - IL.		
				0124	WB9 VDV	59	59		- IL		
				0125	AA9D	59	59		DAVE - IL		
				0126	WA9KOi	44	45		-		
				0141	WB4YBG	59	59		Ga/		
				0145	W5HYQ	59	59				
				0148	KE4PE	57	57		-		
				0149	WB5JAR	59	59		Ken - Ark.		
				0150	WD5FXX	55	58		- AMC -		
				0152	K4STN	57	59		Bill Ga		
				0153	WA4ZCF	59	59				
				0153	KA4CiQ	59	59		Jim - FL		
				0154	WA4BLB	59	59		Harley - TN.		
6/02	T12WA - 078.			2 - CW beacon 20 31 TS							
				2141	JG1OV	59	59		Eric 34/94		
				2143	K2NE	59	59		Vince -		
6/03	19SUN FY7THF beacon										
6/06				2001	VP2MO	59	59		Errol 30/9 -		
				2002	PJ2JM	59	59		Hans 30/9 - 3383/		

JEAN -



DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
6/06	50.108	SSB	80	2007	JB8AR	59	58/9		St. Vincent / St. Toronto		
				2008	9Y5OJW	59	59				
				2009	9Y5OLL	59	59		Elsa (EP6IK) John Thomas		
				2224	YV4ABC	59	59		Valencia ALFONSO YV4ABC		
6/08				0018	WA4YSF	59	59		389 also YV4UY Harold		
				0024	W4MUH	55	59		-TN- 502/Singer/		
				0028	NA4[illegible]	59	59		- Ga ACE -		
				0030	WA4TJW	57	59		Bill - TN		
				0032	W4LTJ	57			Sam - TN		
									Hi8WPC WB4OSN		
6/13				2209	V2ADX	57	55		Antigua V2ADX		
				2211	DL3ZM/YV5 JGLOY	59+	59+		JERRY - V3 - K3EFS/ beam .045/ YV4UY		
				2315Z	FM7 beam 5x5 - 037 - 045 " DL3ZM/YV5						
6/14				0324	[redacted] K3YTL	59			EPA		
					W8XM	59			EMA		
					W[illegible]M	59	59		" "		
					WA2GBG	59	59		WNY		
					WA2BPE	59	59		WNY		
					WA1CRE	59	59		EMA.		
					WA1PBR	55	55		RI		
					W2CT	59	59		WNY		
					W4CKD	59	59		Va.		
					KA3ECK	59	59		Va.		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
					KL7GLL	55	57		Va.		
					K1ZFE2	59	59		CT		
					WB2MAI	59	59		NNJ		
					WA2JSG	57	58		SNJ		
					K2MUB	59	59		LI		
					KB iWIC	59	59		EPa.		
					K1TR	59	59		WMa.		
					WA1YQL	59	59		WMa		
					W3OTC	59	59		MD.		
					K2MLB	59	59		NNJ		
					W1AJR	59	59		RI		
					K2BWR	59	59		SNJ		
					W3iWU	59	59		EPa.		
					KB3TE	59	59		EPa.		
					W8 JO	59	59		MICH		
					N3BE	59	59		MD		
					WB8PaT	59	59		Oh.		
					WD8CVH	59	59		Oh.		
					W1HDW	59	59		CT.		
					K1LPS	59	59		[illegible].		
					WB3LGC	59	59		DEL.		
					KB3QV	59	59		MD.		
				0340	W1QXX	59	57		EMA		
					KA3F V	59	59		MD.		
					K1WW	59	59		[illegible]		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
				0342	WB8VMO	59	59		oh		
					WA3 YZL	59	59		Pa		
					N2DGO	59	59		NYLI		
					WB2RYY	59	59		NYLI		
					K2KLP	59	59		WNY.		
					W2MRK	59	59		WNY.		
					W3BBS	59	59		Pa.		
					K1IK	59	59		VT		
					VE2DFO	59	59		Que.		
					VE2SH	58	58		Que		
					WA2YWP	59	59		NY/LI		
					VE2YU	59	59		Que		
					WD4GXN	59	59		Va.		
					VE3LNX	59	59		ON.		
					W1VD	59	59		CT.		
					KI1I KGIMM	/ 57	/59		Wisc		
					KIIKW	59	59		RI		
					WB8QKA Y.	59	59		Mi.		
					AE3T	59	59		EPa.		
					WA1AYS	59	59		Ema		
					K3JL	59	59		Del		
					W1AIM	59	59		VT.		
					W4KMS	57	57		Va		
					WA3TXR	57	57		EPaSS		
				0354	KA1YQ	57	59		Ema		

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
				.	KA3DXN [illegible]	57	59		EPa		
					WB0IGY	57	52		ch		
6-14				1124	WA4G2IC	59	59		Bill Ga		
				1125	WD4RCO	59			Dave Ga		
				1128	[illegible]D4F	59	59		- TN		
					N4GPL	59	59		Greg Ga		
					K4KLD	59	59		Jay - Ga		
					W4LTJ	59	59		[illegible] - TN		
					WA4JTR	59	59		Tony - Ga		
					W8LSR	59	59		George - WVa		
				1146	WB4NBE	59	59		Dennis TN		
				1151	WD4DMi	55	56		Les - SC		
				1426 -	RST? - 120						
4/22	1152 -	RST		- 112, 120							
6/23				1344	WA4UKX	59	59		Gene SC		
					W4LTJ						
				1358	N4EHM	59					
				1359	WA3CGT	59			MD.		
				1401	KB3QV	59					
				1430	N2JR						
				1430	K3MLD	59			JOHN		
				1431	WA4GVT	59			Dove MD		
				1432	K3HFV	59			Guy -		
				1434	N2JR	59					

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
6-23				1457	KB3QV				Bill		
				1503	K4CSY	55			Bub FL.		
				1503	WA4ZCF	55			Monty - FL W Coast		
				1506	WB 2[illegible]4/4	55	54		-		
				1507	WA3DMF	56	57				
				1510	W4LTJ	59	59		Sam		
6/30	- 1512 Gmt			1446.89	- Swiss Rhon - CJ						
				16							
11/26	20.115			2004	W3iW4	59	59				
				2005	W3CMS	59	59				
				2007	W3XO	59	59		WG3ICV / KH4		
				2009	W2AXA	59	59				
				2012	WB4RMU	59	59		NC / Paul		
				2013	W3iiT	59	59		Henry Phx		
				2014	WA3FWB	59	59		Gus MD		
				2014	WA3DMF	59	59		WA3S -		
				2015	KB3BQV	59	59		Bill		
				2017	W3iLG	59	59		Mike - Pa		
				2018	K2NE	59	59		Vince NJ		
				2019	WB2CZB	59	59		NJ		
				2019	WB2TGP	59	59		George NJ		
					~~AC2TT~~	59					
				2020	N2BMN	59	59				
				2021	KA2BTD	59	59				

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
11-26				2023	KC2BW	57	58		Gordon		
				2023	N2BOW/	55	59		Bill		
					WA2IKU	59	59		Gw - NY		
					K3FRO						
				2025	WB8IWI	58	57		Ohio		
					KC8AB	59	59		Ohio		
				2026	K8 Q20	59	59		Gw Ohio		
					K8MMM	59	59		Tom Ohio		
				2026	WD8LWC	56	55		- Ohio		
					W38 KRY	57	57		Ohio		
					WA3KEY	33	55		Phil 2m FM		
				2030	K4GUK	59	59		Marion VA. 1700		
				2032	K4AZA	59	59		Ed - KC2NO		
				2032	K4HWG	59	59		Jack - VA		
				2033	K2RJ	59	59		- NJ		
				2033	K4BXK	59	59		Tom - VA. 2035 / VFO		
				2035	WD4FZF	59	59		Jim NC		
				2035	WA6CRP/4	59	59		Phil VA		
				2035	N4ASG	59	59		Charlie -		
				2036	KA4CKI	59	59		Jim -		
				2036	K2BWR	59	59		Russ - NJ		
				2039	K2JNS	58	59		John - NJ		
							TO W3HMK		1/01/83 ↑		

Spare		
#1	#2	#3
575	VHF	220

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	COMMENTS QTH / NAME / QSL VIA	QSL S	QSL R
3-23	28.497			2309	JH0MXV	56	57		MIKE 4		
				2310	JH0IBE	56	57				
3-25	28.587			0103	T3UCT	55	55		Tarawa		
	.550			0143	VK6OB	56	56	0200	Mawson — Alice Springs —		
3-26											
	.514			1830	Z21GN	56	59		FRED — N4HX / KA4RUL		
				2214	LU5FFG				1191 / 001		
				2216	Z43AD				166 /		
				2219	PY5EOB	56	59		474 / PY5 WAS		
	20 mcm			2223	AZ1112	59	59		3952 / 004 20 3 MIN		
				2225	G3FYB	59	59		72 / 005		
				2230	LU6LG	59	59		1006 / 006 4 MIN		
3-27	.531			2238	CE0AC	59	59		558 / 011 H3 1H 3		
4-07	21.263			233	KI1B	59	59		GENIE - MC.		
5-15	14.201			0222	EA3CXG	59	59		RAM - SPAIN		
	50.			1412	W5HUQ	59	59		JOHN - FLA		
				1415	W4WIK	59	59		DUKE - FLA.		
				1415	N4KE	59	59		RON - FLA		
				1416	N4EJG	59	59		CURTIS - NC.		
				1417	WA4CTY	59	59		- GA		
				1418	WB8 DTM	56	59		MONK - GA		
				1419	KC4WW	59	59		JOHN - GA		
				1419	W4HOW	59	59		- GA		
				1420	WA4JMO	59	59		AL GA		
				1420	KA4KKF	59	59		DAVID - GA		

WB8 GF

2 ACON SP

P 2

P- ACON F K2

PJ2BB ON FKS

KS, Bea

Beacon FKS2

KS2

ON IN29

K#2T

~~130~~

013

~~GYFG'LO~~

WB8IGY R/B

Flare ~~OB~~

.062

[illegible]047 YFL[illegible]

DATE	FREQ.	MODE	POWER	TIME	STATION WORKED	REPORT SENT	REPORT REC'D	TIME OFF	QTH / COMMENTS YL3ZM/YV5 / NAME / QSL VIA	QSL S	QSL R
[illegible]	[illegible]			[illegible]	K1[illegible]L	59	59		FM19 [illegible] Don		
	14.[illegible]			[illegible]	W8OMY	59	59		50.0146 –		
					W2PSX	5[illegible]			(AD) PJ2BB		
	[illegible]								50.011 – [illegible]		
[illegible]	14.[illegible]			[illegible]	W8OMY	59	59	1943			
	[illegible]				W2PSX				14.[illegible] / 12[illegible] / wed / [illegible]		
	[illegible]				K3[illegible]				.175 350 – [illegible]		
									[illegible]		
[illegible]	14.[illegible]			[illegible]	W8OMY	59	59				
[illegible]	14.[illegible]			[illegible]	W8OMY				3[illegible]		
					W2PSX				[illegible]		
[illegible]	14.[illegible]			[illegible]	W8BTW				Ralph 14.348		
	21.[illegible]				W8OML				TOM [illegible] / Sunday		
6/17	14347			1538	W2PSX				[illegible] 10:30 AM		
					W8OMY						
									Wed/12N – 14.348		
					SKed				TOM/		
[illegible]					[illegible]XS						
									2M		
									Y45 BIC		
									DL3ZM/Y45		

ARRL DXCC LIST

These rules are effective for 6 different types of DXCC Awards as outlined in Rule 1 below. Changes are announced under DXCC Notes in QST.

1) The DX Century Club Award, with certificate and DXCC lapel pin, is available to ARRL members in Canada, the U.S. and possessions, and Puerto Rico, and all amateurs in the rest of the world. There are 6 separate DXCC awards available:

(a) **Mixed** (general-type): contacts may be made using any mode since November 15, 1945. This DXCC is endorsable; see Rule 5.

(b) **Phone:** contacts must be made using radiotelephone since November 15, 1945. This DXCC is endorsable; see Rule 5.

(c) **CW:** contacts must be made using CW since January 1, 1975. This DXCC is endorsable; see Rule 5.

(d) **RTTY:** contacts must be made using radioteletype since November 15, 1945. This DXCC is *not* endorsable.

(e) **160-Meter:** contacts must be made on 160-meters since November 15, 1945. This DXCC is *not* endorsable.

(f) **Satellite:** contacts made using the satellite since March 1, 1965. This DXCC is only available for contacts made through polar-sun synchronous satellites of altitudes less than 1,500 miles. This DXCC is *not* endorsable.

2) Confirmations must be submitted direct to ARRL Headquarters for all countries claimed. Claims for a total of 100 or more countries must be included with first application.

3) The ARRL Countries List criteria will be used in determining what constitutes a "country".

4) Confirmations must be accompanied by a list of claimed countries and stations to aid in checking and for future reference.

5) With the exception of the 160-Meter, RTTY and Satellite DXCCs, confirmations from additional countries may be submitted for further credits as follows: for accredited totals between 100 and 250, in increments of 25 that will, at least, bring the new total up to the next endorsement sticker level; for accredited totals between 250 and 300, in increments of 10 that will, at least, bring the new total up to the next endorsement sticker level; for total accredited countries over 300, in increments of 5 that will, at least, bring the new total up to the next endorsement sticker level. Endorsement stickers for affixing to certificates will be awarded as additional credits are granted. These stickers will be in exact multiples of 25, i.e. 125, 150, 175, between the 100 and 250 levels and in multiples of 10 between 250 and 300 and in multiples of 5 above the 300 levels.

Exception. Once per year, any DXCC participant having an accredited DXCC total of 250, or more, may make a submission without regard to the number of cards submitted.

6) All contacts must be made with amateur stations working in the authorized amateur bands or with other stations licensed to work amateurs.

7) In cases of countries where amateurs are licensed in the normal manner, credit may be claimed only for stations using regular government-assigned call letters. No credit may be claimed for contacts with stations in any countries in which amateurs have been temporarily closed down by special government edict where amateur licenses were formerly issued in the normal manner.

8) All stations contacted must be "land stations". Contacts with ships, anchored or otherwise, and aircraft, cannot be counted.

9) All stations must be contacted from the same DXCC "country".

10) Contacts may be made over any period of years since November 15, 1945, for the Mixed, Phone, 160-Meter and RTTY DXCCs, January 1, 1975, for the CW DXCC, and from March 1, 1965, for the Satellite DXCC, provided only that all contacts be made under the provisions of Rule 9, and by the same station licensee; contacts may have been under different call letters in the same area (or country), if the licensee for all was the same.

(You may feed one DXCC from several calls held simultaneously.)

11) Any altered or forged confirmations submitted for CC credit may result in disqualification of the applicant. The eligibility of any DXCC applicant who was ever barred from DXCC to reapply, and the conditions for such application, shall be determined by the Awards Committee. Any holder of the Century Club Award submitting forged or altered confirmations must forfeit his right to continued DXCC participation.

12) Operating Ethics:

(a) Fair play and good sportsmanship in operating are required of all DX Century Club members. In the event of specific objections relative to continued poor operating ethics, an individual may be disqualified from the DXCC by action of the ARRL Awards Committee.

(b) Credit for contacts with individuals who have displayed continued poor operating ethics may be disallowed by action of the ARRL Awards Committee.

(c) For (a) and (b) above "operating" includes confirmation procedures.

13) ARRL MEMBERSHIP IS REQUIRED of all DXCC applicants in Canada, the U.S. and possessions, and Puerto Rico. All new DXCC applications must contain sufficient funds for safe return postage in the form of U.S. currency, check or money order. For DXCC endorsements and completions of new applications, sufficient funds for safe return postage are also required. A chart showing suggested sums for return postage is available on request from ARRL Headquarters.

14) ARRL MEMBERSHIP IS NOT REQUIRED of foreign applicants. Each new DXCC application *must* contain sufficient funds for safe return postage. For DXCC endorsements and completions of new applications, sufficient funds for safe return postage are also required. A chart showing suggested sums for return postage is available on request from ARRL Headquarters.

15) Decisions of the ARRL Awards Committee regarding interpretation of the rules here printed or later amended shall be final.

16) Address all applications to ARRL, DXCC, 225 Main Street, Newington, CT, U.S.A. 06111.

Countries List Criteria

The ARRL Countries List is the result of some 38 years of progressive changes in DXing. The full list will not necessarily conform completely with these criteria since some of listings were set up and recognized from pre-WWII. While the general policy has remained the same, specific mileages and additional points have, over the past 13 years, been added to the criteria. The specific mileages in Point 2(a) and Point 3, mentioned in the following, have been used in considerations made in April 1960, and after. The specific mileage in Point 2(b) has been used in considerations made in April, 1963, and after.

Any land area in the world, with the exception of such land that would come under Point 4 and 5, can be placed in one or more of the following categories. Where the area in question meets at least one of the points in the criteria it may be considered eligible as a separate entity, i.e. a country, for our Countries List.

1) *Government:* An area by reason of Government constitutes a separate entity.

2) *Separation by water:* An island or a group of islands, not having its own government is considered as a separate entity under the following conditions:

(a) Islands situated off shore from their governing area must be geographically separated by a minimum of 225 miles of open water. This point is concerned with islands off shore from the mainland *only*. This point *is not* concerned with islands which are part of an island group or are geographically located adjacent to an island group.

(b) Islands forming part of an island group or which are geographically located adjacent to an island, or island group, which have a common government, will be considered as separate entities provided there is at least 500 miles of open water separation between the two areas in question.

3) *Separation by foreign land:* In the case of a country, such as that covered by Point 1, which has a common government but which is geographically separated by land which is foreign to that country, if there is a complete separation of the country in question by a minimum of 75 miles of foreign land, the country is considered as two separate entities. This 75 miles of land is a requirement which is applicable to land areas *only*. In cases of areas made up of a chain of islands, there is no minimum requirements concerned with the separation by foreign land.

4) *Unadministered area:* Any area which is unadministered will not be eligible for consideration as a separate entity.

5) (a) Any area which is classified as a Demilitarized Zone, Neutral Zone or Buffer Zone will not be eligible for consideration as a separate entity.

(b) Embassies, consulates and extra-territorial monuments will not be eligible for consideration as a separate entity from the host country.

Current Countries Total: 318

A2 ..... Botswana
A3 ..... Rep. of Tonga
A4X ..... Oman
A5 ..... Bhutan
A6X ..... United Arab Emirates
A7X ..... Qatar
A9X ..... Bahrain
AA (See K)
AP ..... Pakistan
BV ..... Taiwan
BY ..... China
C2 ..... Rep. of Nauru
C3 ..... Andorra
C5 ..... The Gambia
C6 ..... Bahamas
C9 ..... Mozambique
CE ..... Chile
CE9,FB8Y,KC4,LA,LU-Z,OR4,UA1,UK1, VKØ,VP8,ZL5,ZS1,3Y,4K,8J ..... Antarctica
CE9 (See VP8)
CEØA ..... Easter Is.
CEØX ..... San Felix
CEØZ ..... Juan Fernandez
CM,CO ..... Cuba
CN ..... Morocco
CP ..... Bolivia
CR9 ..... Macao
CT ..... Portugal
CT2 ..... Azores
CT3 ..... Madeira Is.
CX ..... Uruguay
D2,3 ..... Angola
D4 ..... Rep. of Cape Verde
D6[26] ..... Comoros
DA,DF,DJ,DK,DL[2] ..... Fed. Rep. of Germany
DM,DT,Y2-9[3] ..... German Democratic Rep.
DU ..... Rep. of Philippines
EA ..... Spain
EA6 ..... Balearic Is.
EA8 ..... Canary Is.
EA9 ..... Ceuta and Melilla
EI ..... Rep. of Ireland
EL ..... Liberia
EP ..... Iran
ET ..... Ethiopia
F ..... France
FB8W ..... Crozet
FB8X ..... Kerguelen Is.
FB8Y (See CE9)
FB8Z ..... Amsterdam & St. Paul Is.
FC[1] ..... Corsica
FG ..... Guadeloupe
FG,FS[1] ..... Saint Martin
FH[26] ..... Mayotte
FK ..... New Caledonia
FM ..... Martinique
FO ..... Clipperton I.
FO ..... Fr. Polynesia
FP ..... St. Pierre & Miquelon
FR[4] ..... Glorioso Is.
FR[4] ..... Juan de Nova, Europa
FR ..... Reunion
FR ..... Tromelin
.....
FW ..... Wallis & Futuna Is.
FY ..... Fr. Guiana
G ..... England
GD ..... Isle of Man
GI ..... Northern Ireland
GJ,GC ..... Jersey
GM ..... Scotland
GU,GC ..... Guernsey & Dependencies
GW ..... Wales
H4,VR4 ..... Solomon Is.
HA ..... Hungary
HB ..... Switzerland
HBØ ..... Liechtenstein
HC ..... Ecuador
HC8 ..... Galapagos Isls.
HH ..... Haiti
HI ..... Dominican Rep.
HK ..... Colombia
HKØ ..... Bajo Nuevo
HKØ ..... Malpelo I.
HKØ ..... San Andres & Providencia
HKØ (See KS4)
HL,HM ..... Korea
HP ..... Panama
HR ..... Honduras
HS ..... Thailand
HV ..... Vatican
HZ,7Z ..... Saudi Arabia
I, IT ..... Italy
IS ..... Sardinia
J2, FL8 ..... Djibouti
J3, VP2G ..... Grenada & Dependencies
J5,CR3 ..... Guinea-Bissau
J6,VP2L ..... St. Lucia
J7,VP2D ..... Dominica
JA-JN,KA ..... Japan
JD,KA1[6] ..... Minami Torishima
JD,KA1[5] ..... Ogasawara
JT ..... Mongolia
JW ..... Svalbard
JX ..... Jan Mayen
JY ..... Jordan
K, W, N, A ..... United States of America
KB,KH1 ..... Baker, Howland & American Phoenix Is.
KC4 (See CE9)
KC4, KP1 ..... Navassa I.
KC6 ..... Eastern Caroline Is.
KC6 ..... Western Caroline Is.
KG4 ..... Guantanamo Bay
KG6,KH2 ..... Guam
KG6R,S,T,KHØ ..... Mariana Is.
KH6 ..... Hawaiian Is.
KH7 ..... Kure I.
KJ, KH3 ..... Johnston I.
KL7 ..... Alaska
KM,KH4 ..... Midway Is.
KP4 ..... Puerto Rico
KP4[27] ..... Desecheo Is.
KP6,KH5K ..... Kingman Reef
KP6,KH5 ..... Palmyra, Jarvis Is.
KS4,KP3,HKØ ..... Serrana Bank & Roncador Cay
KS6,KH8 ..... American Samoa
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KV,KP2 ..... Virgin Is.
KW,KH9 ..... Wake I.
KX ..... Marshall Is.
LA,LB,LF,LG,LJ ..... Norway
LA (See CE9)
LU ..... Argentina
LU-Z (See CE9, VP8)
LX ..... Luxembourg
LZ ..... Bulgaria
M1[1] (See 9A)
N (See K)
OA ..... Peru
OD ..... Lebanon
OE ..... Austria
OH ..... Finland
OHØ ..... Aland Is.
OJØ ..... Market
OK ..... Czechoslovakia
ON ..... Belgium
OR4 (See CE9)
OX,XP ..... Greenland
OY ..... Faroe Is.
OZ ..... Denmark
P2[7] ..... Papua New Guinea
PA,PD,PE,PI ..... Netherlands
PJ ..... Neth. Antilles
PJ ..... St. Maarten, Saba, St. Eustatius
PY ..... Brazil
PYØ ..... Fernando de Noronha
PYØ ..... St. Peter & St. Paul's Rocks
PYØ ..... Trindade & Martin Vaz Is.
PZ ..... Surinam
S2 ..... Bangladesh
S7 ..... Seychelles
S9,CR5 ..... Sao Tome & Principe
SK,SL,SM ..... Sweden
SP ..... Poland
ST ..... Sudan
STØ ..... Southern Sudan
SU ..... Egypt
SV ..... Greece
SV ..... Crete
SV ..... Dodecanese
SV ..... Mount Athos
T2,VR8[16] ..... Tuvalu
T3,VR1 ..... Cent. Kiribati (Brit. Phoenix Is.)
T3,VR1 ..... West Kiribati (Gilbert & Ocean Is.)
T3,VR3 ..... East Kiribati (Line Is.)
TA ..... Turkey
TF ..... Iceland
TG ..... Guatemala
TI ..... Costa Rica
TI9 ..... Cocos I.
TJ ..... Cameroon
TL[8] ..... Central African Rep.
TN[9] ..... Congo
TR[10] ..... Gabon
TT[11] ..... Chad
TU[12] ..... Ivory Coast
TY[13] ..... Benin
TZ[14] ..... Mali
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1. Unofficial prefix.
2. (DA, DJ, DK, DL) Only contacts made September 17, 1973, and after, will count for this country.
3. (DM, DT, Y2-9) Only contacts made September 17, 1973, and after, will count for this country.
4. (FR7) Only contacts made June 25, 1960, and after, will count for this country.
5. (JD, KA1) Formerly Bonin and Volcano Islands.
6. (JD, KA1) Formerly Marcus Island.
7. (P2) Only contacts made September 16, 1975, and after, will count for this country.
8. (TL) Only contacts made August 13, 1960, and after, will count for this country.

UA; UK1,3,4,6; UV; UW1-6; UN1 ..... European Russian S.F.S.R.
UA1,UK1 ..... Franz Josef Land
UA1,UK1 (See CE9)
UA2,UK2F ..... Kaliningradsk
UA,UK,UV,UW9-Ø ..... Asiatic R.S.F.S.R.
UB,UK,UT,UY5 ..... Ukraine
UC2,UK2A/C/I/L/O/S/W ..... White R.S.S.R.
UD6,UK6C/D/K ..... Azerbaijan
UF6,UK6F/O/Q/V ..... Georgia
UG6,UK6G ..... Armenia
UH8,UK8H ..... Turkoman
UI8,UK8 ..... Uzbek
UJ8,UK8J/R ..... Tadzhik
UL7,UK7 ..... Kazakh
UM8,UK8M,N ..... Kirghiz
UO5,UK5O ..... Moldavia
UP2,UK2B/P ..... Lithuania
UQ2,UK2G/Q ..... Latvia
UR2,UK2R/T ..... Estonia
VE,VO,VY1 ..... Canada
VE1 ..... Sable I.
VE1 ..... St. Paul I.
VK ..... Australia
VK ..... Lord Howe I.
VK9 ..... Willis I.
VK9 ..... Christmas I.
VK9 ..... Cocos-Keeling Is.
VK9 ..... Mellish Reef
VK9 ..... Norfolk I.
VKØ (See CE9)
VKØ ..... Heard I.
VKØ ..... Macquarie I.
VO (See VE)
VP1 ..... Belize
VP2A[15] ..... Antigua, Barbuda
VP2E[15] ..... Anguilla
VP2K[15] ..... St. Kitts, Nevis
VP2M[15] ..... Montserrat
VP2S[15] ..... St. Vincent & Dependencies
VP2V[15] ..... Brit. Virgin Is.
VP5 ..... Turks & Caicos Is.
VP8 (See CE9)
VP8 ..... Falkland Is.
VP8,LU-Z ..... So. Georgia Is.
VP8,LU-Z ..... So. Orkney Is.
VP8,LU-Z ..... So. Sandwich Is.
VP8,LU-Z,CE9,HFØ,4K ..... So. Shetland Is.
VP9 ..... Bermuda
VQ9 ..... Chagos
VR6 ..... Pitcairn I.
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VS5 ..... Brunei
VS6 ..... Hong Kong
VS9 (See 8Q)
VS9K ..... Kamaran I.
VU ..... India
VU7 ..... Andaman & Nicobar Is.
VU7 ..... Laccadive Is.
W (See K)
XE ..... Mexico
XF4 ..... Revilla Gigedo
XP (See OX)
XT[17] ..... Upper Volta
XU ..... Khmer Rep.
XV ..... Vietnam
XW ..... Lao People's Dem. Rep.
XZ ..... Burma
YA ..... Afghanistan
YB,YC[21] ..... Indonesia
YI ..... Iraq
YJ ..... New Hebrides
YK ..... Syria
YN,HT ..... Nicaragua
YO ..... Rumania
YS ..... Salvador
YU ..... Yugoslavia
YV ..... Venezuela
YVØ ..... Aves I.
ZA ..... Albania
ZB ..... Gibraltar
ZC (See 5B)
ZD7 ..... St. Helena
ZD8 ..... Ascension I.
ZD9 ..... Tristan da Cunha & Gough I.
ZE ..... Zimbabwe
ZF ..... Cayman Is.
ZK1 ..... So. Cook Is.
ZK1 ..... No. Cook Is.
ZK2 ..... Niue
ZL ..... New Zealand
ZL ..... Auckland I. & Campbell I.
ZL ..... Chatham Is.
ZL ..... Kermadec Is.
ZL5 (See CE9)
ZM7 ..... Tokelaus
ZP ..... Paraguay
ZS1,2,4,5,6,(H5,S8,T4[1]) ..... Rep. of South Africa
ZS1 (See CE9)
ZS2 ..... Prince Edward & Marion Is.
ZS3 ..... (Namibia) Southwest Africa
1S[1] ..... Spratly Is.
3A ..... Monaco
3B6,7 ..... Agalega & St. Brandon
3B8 ..... Mauritius
3B9 ..... Rodrugues Is.
3C ..... Equatorial Guinea
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3CØ ..... Annobon
3D2 ..... Fiji Is.
3D6 ..... Swaziland
3V ..... Tunisia
3X ..... Rep. of Guinea
3Y ..... Bouvet
3Y (See CE9)
4K (See CE9)
4S ..... Sri Lanka
4U ..... I.T.U. Geneva
4U ..... Hq., United Nations
4W ..... Yemen
4X,4Z ..... Israel
5A ..... Libya
5B,ZC ..... Cyprus
5H ..... Tanzania
5N ..... Nigeria
5R ..... Malagasy Rep.
5T[18] ..... Mauritania
5U[19] ..... Niger
5V ..... Togo
5W ..... Western Samoa
5X ..... Uganda
5Z ..... Kenya
6O ..... Somali
6W[20] ..... Senegal
6Y ..... Jamaica
7O ..... People's Dem. Rep. of Yemen
7P ..... Lesotho
7Q ..... Malawi
7X ..... Algeria
7Z (See HZ)
8J (See CE9)
8P ..... Barbados
8Q,VS9 ..... Maldive Is.
8R ..... Guyana
8Z4 ..... Saudi Arabia/Iraq Neutral Zone
9A,(M1[1]) ..... San Marino
9G[22] ..... Ghana
9H ..... Malta
9J ..... Zambia
9K ..... Kuwait
9L ..... Sierra Leone
9M2[23] ..... West Malaysia
9M6,8[23] ..... East Malaysia
9N ..... Nepal
9Q ..... Rep. of Zaire
9U[24] ..... Burundi
9V[25] ..... Singapore
9X[24] ..... Rwanda
9Y ..... Trinidad & Tobago
..... Abu Ail, Jabal at Tair
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9. (TN) Only contacts made August 15, 1960, and after, will count for this country.

10. (TR) Only contacts made August 17, 1960, and after, will count for this country.

11. (TT) Only contacts made August 11, 1960, and after, will count for this country.

12. (TU) Only contacts made August 7, 1960, and after, will count for this country.

13. (TY) Only contacts made August 1, 1960, and after, will count for this country.

14. (TZ) Only contacts made June 20, 1960, and after, will count for this country.

15. (VP2) For credits on QSO's made before June 1, 1958, see page 97, June 1958 QST.

16. (T2,VR8) Only contacts made January 1, 1976, and after, will count for this country.

17. (XT) Only contacts made August 6, 1960, and after, will count for this country.

18. (5T) Only contacts made June 20, 1960, and after, will count for this country.

19. (5U) Only contacts made August 3, 1960, and after, will count for this country.

20. (6W) Only contacts made June 20, 1960, and after, will count for this country.

21. (8F, YB) Only contacts made May 1, 1963, and after, will count for this country.

22. (9G1) Only contacts made March 5, 1957, and after, will count for this country.

23. (9M2, 4, 6, 8) Only contacts made September 16, 1963, and after, will count for these countries.

24. (9U5, 9X5) Only contacts made July 1, 1962, and after, will count for these countries.

25. (9V1) Contacts made between September 15, 1963 and August 9, 1965, will not count for this country.

26. (D6, FH8) Only contacts made after July 5, 1975, count for this country.

27. (KP4) Only contacts made March 1, 1979, and after, will count for this country.

DELETED COUNTRIES

Credit for any of these countries can be given if the date of contact with the country in question agrees with the date(s) shown in the corresponding footnote.

(AC3[1])[2] ..... Sikkim
(AC4[1])[3] ..... Tibet
C9[4] ..... Manchuria
CN2[5] ..... Tangier
CR8[6] ..... Damao, Diu
CR8[6] ..... Goa
CR8[34] ..... Port. Timor
DA,DJ,DK,DL,DM[7] ..... Germany
EA9[8] ..... Ifni
EA9[38] ..... Rio de Oro
ET2[9] ..... Eritrea
FF8[10] ..... Fr. West Africa
FH[35] ..... Comoros
FI8[11] ..... Fr. Indo-China
FN[12] ..... French India
FQ8[13] ..... Fr. Equatorial Africa
II[14] ..... Trieste
I5[15] ..... Italian Somaliland
JD/7J[40] ..... Okino Tori-shima
JZØ[16] ..... Netherlands New Guinea
KR6,8,JR6,KA6,[17] ..... Ryukyu Islands
KS4[18] ..... Swan Islands
KZ[39] ..... Canal Zone
P2,VK9[19] ..... Papua Territory
P2,VK9[19] ..... Terr. New Guinea
PK1,2,3[20] ..... Java
PK4[20] ..... Sumatra
PK5[20] ..... Netherlands Borneo
PK6[20] ..... Celebe & Molucca Isls.
UN1[21] ..... Karelo-Finnish Rep.
VO[22] ..... Newfoundland, Labrador
VQ1,5H1[23] ..... Zanzibar
VQ6[24] ..... British Somaliland
VQ9[36] ..... Aldabra
VQ9[36] ..... Desroches
VQ9[36] ..... Farquhar
VS4[25] ..... Sarawak
VS9H[26] ..... Kuria Muria Isls.
ZC5[25] ..... British North Borneo
ZC6[27] ..... Palestine
ZD4[28] ..... Gold Coast, Togoland
(1M[1])[29] ..... Minerva Reefs
9K3,8Z5[30] ..... Kuwait/Saudi Arabia Neutral Zone
9M2[25] ..... Malaya
9S4[31] ..... Saar
9U5[32] ..... Ruanda-Urundi
[33] ..... Blenheim Reef
[37] ..... Geyser Reef

1. Unofficial prefix.
2. (AC3) Only contacts made before May 1, 1975, will count for this country. Contacts made May 1, 1975, and after, count as India.
3. (AC4) Only contacts made before June 1, 1974, will count for this country.
4. (C9) Only contacts made before September 16, 1963, will count for this country.
5. (CN2) Only contacts made before July 1, 1960, will count for this country.
6. (CR8) Only contacts made before January 1, 1962, will count for this country.
7. (DA, DJ, DK, DL, DM) Only contacts made before September 17, 1973, will count for this country.
8. (EA9) Only contacts made May 13, 1969, and before, count for this country.
9. (ET2) Only contacts made November 14, 1962, and before, will count for this country.
10. (FF8) Only contacts made August 6, 1960, and before, will count for this country.
11. (FI8) Only contacts made before December 21, 1950, will count for this country.
12. (FN) Only contacts made before November 1, 1954, will count for this country.
13. (FQ8) Only contacts made August 16, 1960, and before, will count for this country.
14. (II) Only contacts made before April 1, 1957, will count for this country. Contacts made April 1, 1957, and after, count as Italy.
15. (I5) Only contacts made June 30, 1960, and before, will count for this country.
16. (JZØ) Only contacts made before May 1, 1963, will count for this country.
17. (KR6, JR6, KA6) Only contacts made before May 15, 1972, will count for this country. Contacts made May 15, 1972, and after, count as Japan.
18. (KS4) Only contacts made before September 1, 1972, will count for this country. Contacts made September 1, 1972, and after, count as Honduras.
19. (P2, VK9) Only contacts made before September 16, 1975, will count for this country.
20. (PK1, 2, 3, 4, 5, 6) Only contacts made before May 1, 1963, will count for this country.
21. (UN1) Only contacts made June 30, 1960, and before, will count for this country. Contacts made July 1, 1960, and after, count as European Russian S.F.S.R.
22. (VO) Only contacts made before April 1, 1949, will count for this country.
23. (VQ1, 5H1) Only contacts made before June 1, 1974, will count for this country.
24. (VQ6) Only contacts made June 30, 1960, and before, will count for this country.
25. (VS4, ZC5, 9M2) Only contacts made September 15, 1963, and before, will count for this country.
26. (VS9H) Only contacts made before November 30, 1967, will count for this country. Contacts made December 1, 1967, and after, count as Oman.
27. (ZC6) Only contacts made July 1, 1968, and before, will count for this country.
28. (ZD4) Only contacts made March 5, 1957, and before, will count for this country.
29. (1M) Only contacts made July 15, 1972, and before, will count for this country. Contacts made July 16, 1972, and after, count as Tonga.
30. (9K3, 8Z5) Only contacts made before December 15, 1969, will count for this country.
31. (9S4) Only contacts made before April 1, 1957, and after, count as Germany.
32. (9U5) Only contacts made between July 1, 1960, and July 1, 1962, will count for this country.
33. (Blenheim Reef) Only contacts made between May 4, 1967, and July 1, 1975, will count for this country. Contacts made July 1, 1975, and after, count as Chagos.
34. (CR8) Only contacts made before September 15, 1976, will count for this country.
35. (FH) Only contacts made before July 6, 1975, count toward this country.
36. (VQ9) Only contacts made before June 29, 1976, count for these countries.
37. (Geyser Reef) Only contacts made between May 4, 1967 and March 1, 1978, will count for this country.
38. (EA9) Only contacts made before January 8, 1976 will count for this country.
39. (KZ) Only contacts made before October 1, 1979 will count for this country.
40. (JD/7J) Only contacts made between May 30, 1976 and November 30, 1980, will count for this country. Contacts made December 1, 1980, and after, count as Ogasawara.

PREFIX CROSS REFERENCES

AC[1] (See A5)
AP (See S2-3)
AX (See VK)
CN9 (See CN2, 8)
CR4 (See D4)
CR5 (See S9)
CR5 (See CR3)
CR6 (See D2, 3)
CR7 (See C9)
CR1Ø (See CR8)
DX (See DU)
EAØ (See 3C)
FA (See 7X)
FB8 (See FH8)
FB8 (See FR7)
FB8 (See 5R8)
FD (See 5V)
FE8 (TI)
FF4 (See TU)
FF7 (See 5T)
FF8 (See TY)
FF8 (See TZ)
FF8 (See XT)
FF8 (See 5U7)
FF8 (See 6W8)
FL8 (See TL)
FQ8 (See TN)
FQ8 (See TR)
FQ8 (See TT)
FQ8 (See TT)
FU8 (See YJ)
HE (See HBØ)
HG (See HA)
HT (See YN)
IM (See IS)
JR6 (See KR6, 8)
KA6 (See KR6, 8)
KG6I (See JD, KA1)
LA/G (See CE9,3Y)
LA/P (See JX, JW)
MP4B (See A9)
MP4D (See A6)
MP4M (See A4)
MP4Q (See A7)
MP4T (See A6)
OF (See OH)
OQ5,Ø (See 9Q5)
PK (See YB)
PX[1] (See C3)
VK9 (See C2)
VK9AA-MZ (See P2)
VP2G (See J3)
VP2K (See VP2E)
VP3 (See 8R)
VP4 (See 9Y4)
VP5 (See ZF1)
VP5 (See 6Y5)
VP6 (See 8P)
VP7 (See C6)
VQ1 (See 5H1)
VQ2 (See 9J2)
VQ3 (See 5H3)
VQ4 (See 5Z4)
VQ5 (See 5X5)
VQ8 (See 3B6,7,8,9)
VQ9 (See S7)
VR2 (See 3D2)
VR4 (See H4)
VR5 (See A3)
VS1 (See 9M2)
VS1 (See 9V1)
VS2 (See 9M2)
VS9 (See 7O)
VS9O (See A4)
VX9 (See VE1)
VYØ (See VE1)
XF (See XE)
YNØ (See YN)
YT (See YU)
YZ (See YU)
ZB1 (See 9H1)
ZD1 (See 9L1)
ZD2 (See 5N2)
ZD3 (See C5)
ZD4 (See 9G1)
ZD5 (See 3D6)
ZD6 (See 7Q7)
ZM6 (See 5W1)
ZS7 (See 3D6)
ZS8 (See 7P8)
ZS9 (See A2)
3W8 (See XV5)
3Z (See SP)
4A (See XE)
4M (See YV)
6D (See XE)
6D4 (See XF4)
7G (See 3X)
7J (See JD1)
8F (See YB)
8Z5 (See 9K3)
9E, 9F (See ET3)
9M4 (See 9V1)

Printed in U.S.A.

Table of Allocation of International Call Signs[1]

Call Sign Series	*Allocated to*
AAA-ALZ	United States of America
AMA-AOZ	Spain
APA-ASZ	Pakistan (Islamic Republic of)
ATA-AWZ	India (Republic of)
AXA-AXZ	Australia
AYA-AZZ	Argentine Republic
A22AAA-A22ZZZ	Botswana (Republic of)
A3A-A3Z	Tonga (Kingdom of)
A4A-A4Z	Oman (Sultanate of)
A5A-A5Z	Bhutan (Kingdom of)
A6A-A6Z	United Arab Emirates
A7A-A7Z	Qatar (State of)
A8A-A8Z	Liberia (Republic of)
A9A-A9Z	Bahrain (State of)
BAA-BZZ	China (People's Republic of)
CAA-CEZ	Chile
CFA-CKZ	Canada
CLA-CMZ	Cuba
CNA-CNZ	Morocco (Kingdom of)
COA-COZ	Cuba
CPA-CPZ	Bolivia (Republic of)
CQA-CUZ	Portugal
CVA-CXZ	Uruguay (Oriental Republic of)
CYA-CZZ	Canada
C2A-C2Z	Nauru (Republic of)
C3A-C3Z	Andorra (Principality of)
C4A-C4Z	Cyprus (Republic of)
C5A-C5Z	Gambia (Republic of the)
C62AA-C69ZZ	Bahamas (Commonwealth of the)
C7A-C7Z*	World Meteorological Organization
C8A-C9Z	Mozambique (People's Republic of)
DAA-DRZ	Germany (Federal Republic of)
DSA-DTZ	Republic of Korea
DUA-DZZ	Philippines (Republic of the)
D2A-D3Z	Angola (People's Republic of)
D4A-D4Z	Cape Verde (Republic of)
D5A-D5Z	Liberia (Republic of)
D6A-D6Z	Comoros (Federal and Islamic Republic of the)
D7A-D9Z	Republic of Korea
EAA-EHZ	Spain
EIA-EJZ	Ireland
EKA-EKZ	Union of Soviet Socialist Republics
ELA-ELZ	Liberia (Republic of)
EMA-EOZ	Union of Soviet Socialist Republics
EPA-EQZ	Iran (Islamic Republic of)
ERA-ESZ	Union of Soviet Socialist Republics
ETA-ETZ	Ethiopia
EUA-EWZ	Byelorussian Soviet Socialist Republic
EXA-EZZ	Union of Soviet Socialist Republics
FAA-FZZ	France
GAA-GZZ	United Kingdom of Great Britain and Northern Ireland
HAA-HAZ	Hungarian People's Republic
HBA-HBZ	Switzerland (Confederation of)
HCA-HDZ	Ecuador
HEA-HEZ	Switzerland (Confederation of)
HFA-HFZ	Poland (People's Republic of)
HGA-HGZ	Hungarian People's Republic
HHA-HHZ	Haiti (Republic of)
HIA-HIZ	Dominican Republic
HJA-HKZ	Colombia (Republic of)
HLA-HLZ	Republic of Korea[2]
HMA-HMZ	Democratic People's Republic of Korea[2]
HNA-HNZ	Iraq (Republic of)
HOA-HPZ	Panama (Republic of)
HQA-HRZ	Honduras (Republic of)
HSA-HSZ	Thailand
HTA-HTZ	Nicaragua
HUA-HUZ	El Salvador (Republic of)
HVA-HVZ	Vatican City State
HWA-HYZ	France
HZA-HZZ	Saudi Arabia (Kingdom of)
H2A-H2Z	Cyprus (Republic of)
H3A-H3Z	Panama (Republic of)
H4A-H4Z	Solomon Islands
H6A-H7Z	Nicaragua
H8A-H9Z	Panama (Republic of)
IAA-IZZ	Italy
JAA-JSZ	Japan
JTA-JVZ	Mongolian People's Republic
JWA-JXZ	Norway
JYA-JYZ	Jordan (Hashemite Kingdom of)
JZA-JZZ	Indonesia (Republic of)
J2A-J2Z	Djibouti (Republic of)
J3A-J3Z	Grenada
J4A-J4Z	Greece
J5A-J5Z	Guinea-Bissau (Republic of)
J6A-J6Z	Saint Lucia
J7A-J7Z	Dominica
KAA-KZZ	United States of America
LAA-LNZ	Norway
LOA-LWZ	Argentine Republic
LXA-LXZ	Luxembourg
LYA-LYZ	Union of Soviet Socialist Republics
LZA-LZZ	Bulgaria (People's Republic of)
L2A-L9Z	Argentine (Republic of)
MAA-MZZ	United Kingdom of Great Britain and Northern Ireland
NAA-NZZ	United States of America
OAA-OCZ	Peru
ODA-ODZ	Lebanon
OEA-OEZ	Austria
OFA-OJZ	Finland
OKA-OMZ	Czechoslovak Socialist Republic
ONA-OTZ	Belgium
OUA-OZZ	Denmark
PAA-PIZ	Netherlands (Kingdom of the)
PJA-PJZ	Netherlands Antilles
PKA-POZ	Indonesia (Republic of)
PPA-PYZ	Brazil (Federative Republic of)
PZA-PZZ	Suriname (Republic of)
P2A-P2Z	Papua New Guinea
P3A-P3Z	Cyprus (Republic of)
P4A-P4Z	Netherlands Antilles
P5A-P9Z	Democratic People's Republic of Korea
QAA-QZZ	(Service abbreviations)
RAA-RZZ	Union of Soviet Socialist Republics
SAA-SMZ	Sweden
SNA-SRZ	Poland (People's Republic of)
SSA-SSM	Egypt (Arab Republic of)
SSN-STZ	Sudan (Democratic Republic of the)
SUA-SUZ	Egypt (Arab Republic of)
SVA-SZZ	Greece
S2A-S3Z	Bangladesh (People's Republic of)
S6A-S6Z	Singapore (Republic of)
S7A-S7Z	Seychelles (Republic of)
S92AA-S92ZZ	Sao Tome and Principe (Democratic Republic of)
TAA-TCZ	Turkey
TDA-TDZ	Guatemala (Republic of)
TEA-TEZ	Costa Rica
TFA-TFZ	Iceland
TGA-TGZ	Guatemala (Republic of)
THA-THZ	France
TIA-TIZ	Costa Rica
TJA-TJZ	Cameroon (United Republic of)
TKA-TKZ	France
TLA-TLZ	Central African Republic
TMA-TMZ	France
TNA-TNZ	Congo (People's Republic of the)
TOA-TQZ	France
TRA-TRZ	Gabon Republic
TSA-TSZ	Tunisia
TTA-TTZ	Chad (Republic of the)
TUA-TUZ	Ivory Coast (Republic of the)
TVA-TXZ	France
TYA-TYZ	Benin (People's Republic of)
TZA-TZZ	Mali (Republic of)
T2A-T2Z	Tuvalu
T3A-T3Z	Kiribati Republic
T4A-T4Z	Cuba
T5A-T5Z	Somali Democratic Republic
T6A-T6Z	Afghanistan (Democratic Republic of)
UAA-UQZ	Union of Soviet Socialist Republics
URA-UTZ	Ukrainian Soviet Socialist Republic
UUA-UZZ	Union of Soviet Socialist Republics
VAA-VGZ	Canada
VHA-VNZ	Australia
VOA-VOZ	Canada
VPA-VSZ	United Kingdom of Great Britain and Northern Ireland
VTA-VWZ	India (Republic of)
VXA-VYZ	Canada
VZA-VZZ	Australia
WAA-WZZ	United States of America
XAA-XIZ	Mexico
XJA-XOZ	Canada
XPA-XPZ	Denmark
XQA-XRZ	Chile
XSA-XSZ	China (People's Republic of)
XTA-XTZ	Upper Volta (Republic of)
XUA-XUZ	Democratic Kampuchea
XVA-XVZ	Viet Nam (Socialist Republic of)

(Continued)

XWA-XWZ	Lao People's Democratic Republic
XXA-XXZ	Portugal
XYA-XZZ	Burma (Socialist Republic of the Union of)
YAA-YAZ	Afghanistan (Democratic Republic of)
YBA-YHZ	Indonesia (Republic of)
YIA-YIZ	Iraq (Republic of)
YJA-YJZ	New Hebrides
YKA-YKZ	Syrian Arab Republic
YLA-YLZ	Union of Soviet Socialist Republics
YMA-YMZ	Turkey
YNA-YNZ	Nicaragua
YOA-YRZ	Romania (Socialist Republic of)
YSA-YSZ	El Salvador (Republic of)
YTA-YUZ	Yugoslavia (Socialist Federal Republic of)
YVA-YYZ	Venezuela (Republic of)
YZA-YZZ	Yugoslavia (Socialist Federal Republic of)
Y2A-Y9Z	German Democratic Republic
ZAA-ZAZ	Albania (Socialist People's Republic of)
ZBA-ZJZ	United Kingdom of Great Britain and Northern Ireland
ZKA-ZMZ	New Zealand
ZNA-ZOZ	United Kingdom of Great Britain and Northern Ireland
ZPA-ZPZ	Paraguay (Republic of)
ZQA-ZQZ	United Kingdom of Great Britain and Northern Ireland
ZRA-ZUZ	South Africa (Republic of)
ZVA-ZZZ	Brazil (Federative Republic of)
2AA-2ZZ	United Kingdom of Great Britain and Northern Ireland
3AA-3AZ	Monaco
3BA-3BZ	Mauritius
3CA-3CZ	Equatorial Guinea (Republic of)
3DA-3DM	Swaziland (Kingdom of)
3DN-3DZ	Fiji
3EA-3FZ	Panama (Republic of)
3GA-3GZ	Chile
3HA-3UZ	China (People's Republic of)
3VA-3VZ	Tunisia
3WA-3WZ	Viet Nam (Socialist Republic of)
3XA-3XZ	Guinea (People's Revolutionary Republic of)
3YA-3YZ	Norway
3ZA-3ZZ	Poland (People's Republic of)
4AA-4CA	Mexico
4DA-4IZ	Philippines (Republic of the)
4JA-4LZ	Union of Soviet Socialist Republics
4MA-4MZ	Venezuela (Republic of)
4NA-4OZ	Yugoslavia (Socialist Federal Republic of)
4PA-4SZ	Sri Lanka (Democratic Socialist Republic of)
4TA-4TZ	Peru
4UA-4UZ*	United Nations Organization
4VA-4VZ	Haiti (Republic of)
4WA-4WZ	Yemen Arab Republic
4XA-4XZ	Israel (State of)
4YA-4YZ*	International Civil Aviation Organization
4ZA-4ZZ	Israel (State of)
5AA-5AZ	Libya (Socialist People's Libyan Arab Jamahiriya)
5BA-5BZ	Cyprus (Republic of)
5CA-5GZ	Morocco (Kingdom of)
5HA-5IZ	Tanzania (United Republic of)
5JA-5KZ	Colombia (Republic of)
5LA-5MZ	Liberia (Republic of)
5NA-5OZ	Nigeria (Federal Republic of)
5PA-5QZ	Denmark
5RA-5SZ	Madagascar (Democratic Republic of)
5TA-5TZ	Mauritania (Islamic Republic of)
5UA-5UZ	Niger (Republic of the)
5VA-5VZ	Togolese Republic
5WA-5WZ	Western Samoa
5XA-5XZ	Uganda (Republic of)
5YA-5ZZ	Kenya (Republic of)
6AA-6BZ	Egypt (Arab Republic of)
6CA-6CZ	Syrian Arab Republic
6DA-6JZ	Mexico
6KA-6NZ	Republic of Korea
6OA-6OZ	Somali Democratic Republic
6PA-6SZ	Pakistan (Islamic Republic of)
6TA-6UZ	Sudan (Democratic Republic of the)
6VA-6WZ	Senegal (Republic of the)
6XA-6XZ	Madagascar (Democratic Republic of)
6YA-6YZ	Jamaica
6ZA-6ZZ	Liberia (Republic of)
7AA-7IZ	Indonesia (Republic of)
7JA-JNZ	Japan
7OA-7OZ	Yemen (People's Democratic Republic of)
7PA-7PZ	Lesotho (Kingdom of)
7QA-7QZ	Malawi (Republic of)
7RA-7RZ	Algeria (Algerian Democratic and Popular Republic)
7SA-7SZ	Sweden
7TA-7YZ	Algeria (Algerian Democratic and Popular Republic)
7ZA-7ZZ	Saudi Arabia (Kingdom of)
8AA-8IZ	Indonesia (Republic of)
8JA-8NZ	Japan
8OA-8OZ	Botswana (Republic of)
8PA-8PZ	Barbados
8QA-8QZ	Maldives (Republic of)
8RA-8RZ	Guyana
8SA-8SZ	Sweden
8TA-8YZ	India (Republic of)
8ZA-8ZZ	Saudi Arabia (Kingdom of)
9AA-9AZ	San Marino (Republic of)
9BA-9DZ	Iran (Islamic Republic of)
9EA-9FZ	Ethiopia
9GA-9GZ	Ghana
9HA-9HZ	Malta (Republic of)
9IA-9JZ	Zambia (Republic of)
9KA-9KZ	Kuwait (State of)
9LA-9LZ	Sierra Leone
9MA-9MZ	Malaysia
9NA-9NZ	Nepal
9OA-9TZ	Zaire (Republic of)
9UA-9UZ	Burundi (Republic of)
9VA-9VZ	Singapore (Republic of)
9WA-9WZ	Malaysia
9XA-9XZ	Rwanda (Republic of)
9YA-9ZZ	Trinidad and Tobago

1) The series of call signs with as asterisk indicate the international organization to which they are allocated.
2) The two administrations concerned undertake to change their existing use of HLA-HLZ and HMA-HMZ Call Sign series to conform with the 1979 Table of Allocations as soon as practicable, in order to clarify their operational arrangements for other administrations. In this regard, the Administration of the Republic of Korea will take action to change the existing call signs registered with the ITU in the HMA-HMZ series as changes occur in the use of call signs in this series. The above-mentioned actions shall, in any case, be completed by 1 January 1984.

ARRL RECOMMENDED PRECEDENCES

Please observe the following ARRL provisions for PRECEDENCES in connection with written message traffic. These provisons are designed to increase the efficiency of our service both in normal times and in emergency.

Precedences

EMERGENCY Any message having life and death urgency to any person or group of persons, which is transmitted by Amateur Radio in the absence of regular commercial facilities. This includes official messages of welfare agencies during emergencies requesting supplies, materials or instructions vital to relief of stricken populace in emergency areas. During normal times, it will be **very rare**. On CW/RTTY, this designation will **always** be spelled out. When in doubt, do not use it.

PRIORITY Use abbreviation *P* on CW/RTTY. This classification is for a) important messages having a specific time limit b) official messages not covered in the emergency category c) press dispatches and emergency-related traffic not of the **utmost** urgency d) notice of death or injury in a disaster area, personal or official.

WELFARE This classification, abbreviated as *W* on CW/RTTY, refers to either an inquiry as to the health and welfare of an individual in the disaster area or an advisory from the disaster area that indicates all is well. Welfare traffic is handled only after all emergency and priority traffic is cleared. The Red Cross equivalent to an incoming Welfare message is DWI (Disaster Welfare Inquiry).

ROUTINE Most traffic in normal times will bear this designation. In disaster situations, traffic labeled Routine (*R* on CW/RTTY) should be handled last, or not at all when circuits are busy with higher precedence traffic.

NOTE: The precedence always follows the message number. For an example, a message number may be 207 *R* on CW and "Two Zero Seven Routine" on phone.

ARRL NUMBERED RADIOGRAMS

The letters ARL are inserted in the preamble in the check and in the text before spelled out numbers, which represent texts from this list. Note that some ARL texts include insertion of numerals. *Example:* NR 1 R W1AW ARL 5 NEWINGTON CONN JUNE 1 DONALD R SMITH $\overline{AA}$ 164 EAST SIXTH AVE $\overline{AA}$ NORTH RIVER CITY MO $\overline{AA}$ PHONE 733 3968 $\overline{BT}$ ARL FIFTY ARL SIXTY ONE $\overline{BT}$ DIANA $\overline{AR}$. For additional information about traffic handling, consult *Operating an Amateur Radio Station*, published by ARRL.

Group One -- -- For Possible "Relief Emergency" Use

ONE	Everyone safe here. Please don't worry.
TWO	Coming home as soon as possible.
THREE	Am in _____ hospital. Receiving excellent care and recovering fine.
FOUR	Only slight property damage here. Do not be concerned about disaster reports.
FIVE	Am moving to new location. Send no further mail or communication. Will inform you of new address when relocated.
SIX	Will contact you as soon as possible.
SEVEN	Please reply by Amateur Radio through the amateur delivering this message. This is a free public service.
EIGHT	Need additional _____ mobile or portable equipment for immediate emergency use.
NINE	Additional _____ radio operators needed to assist with emergency at this location.
TEN	Please contact _____. Advise to standby and provide further emergency information, instructions or assistance.
ELEVEN	Establish Amateur Radio emergency communications with _____ on _____ MHz.
TWELVE	Anxious to hear from you. No word in some time. Please contact me as soon as possible.
THIRTEEN	Medical emergency situation exists here.
FOURTEEN	Situation here becoming critical. Losses and damage from _____ increasing.
FIFTEEN	Please advise your condition and what help is needed.
SIXTEEN	Property damage very severe in this area.
SEVENTEEN	REACT communications services also available. Establish REACT communications with _____ on channel _____.
EIGHTEEN	Please contact me as soon as possible at _____.
NINETEEN	Request health and welfare report on _____. (State name, address and telephone number.)
TWENTY	Temporarily stranded. Will need some assistance. Please contact me at _____.
TWENTY ONE	Search and Rescue assistance is needed by local authorities here. Advise availability.
TWENTY TWO	Need accurate information on the extent and type of conditions now existing at your location. Please furnish this information and reply without delay.
TWENTY THREE	Report at once the accessibility and best way to reach your location.
TWENTY FOUR	Evacuation of residents from this area urgently needed. Advise plans for help.
TWENTY FIVE	Furnish as soon as possible the weather conditions at your location.
TWENTY SIX	Help and care for evacuation of sick and injured from this location needed at once.

Emergency/priority messages originating from official sources, must carry the signature of the originating official.

Group Two -- -- Routine messages

FORTY SIX	Greetings on your birthday and best wishes for many more to come.
FIFTY	Greetings by Amateur Radio.
FIFTY ONE	Greetings by Amateur Radio. This message is sent as a free public service by ham radio operators here at _____. Am having a wonderful time.
FIFTY TWO	Really enjoyed being with you. Looking forward to getting together again.
FIFTY THREE	Received your _____. It's appreciated; many thanks.
FIFTY FOUR	Many thanks for your good wishes.
FIFTY FIVE	Good news is always welcome. Very delighted to hear about yours.
FIFTY SIX	Congratulations on your _____, a most worthy and deserved achievement.
FIFTY SEVEN	Wish we could be together.
FIFTY EIGHT	Have a wonderful time. Let us know when you return.
FIFTY NINE	Congratulations on the new arrival. Hope mother and child are well.
*SIXTY	Wishing you the best of everything on _____.
SIXTY ONE	Wishing you a very merry Christmas and a happy New Year.
*SIXTY TWO	Greetings and best wishes to you for a pleasant _____ holiday season.
SIXTY THREE	Victory or defeat, our best wishes are with you. Hope you win.
SIXTY FOUR	Arrived safely at _____.
SIXTY FIVE	Arriving _____ on _____. Please arrange to meet me there.
SIXTY SIX	DX QSLs are on hand for you at the _____ QSL Bureau. Send _____ self addressed envelopes.
SIXTY SEVEN	Your message number _____ undeliverable because of _____. Please advise.
SIXTY EIGHT	Sorry to hear you are ill. Best wishes for a speedy recovery.

*Can be used for all holidays.

ARL NUMBERS SHOULD BE SPELLED OUT AT ALL TIMES.

License Renewal Information

1) Attach a photocopy, or the original, of your license to the FCC Form 610 (available from ARRL hq.; s.a.s.e. please).

2) Mail to FCC, Box 1020, Gettysburg, PA 17325.

3) Retain copies of everything, if possible, as proof of filing before expiration. If you file before the license expiration date, you may continue to operate beyond the expiration date and until the new license arrives. After expiration, there is a one-year grace period under which you may still renew and keep your call sign without retesting, but you must wait until the new license arrives to operate. There is also a five-year grace period under which you may still renew; however, after the initial one-year period, you will be issued a new license with a new call sign. After this five year grace period expires, you must be re-examined for a new license. Normally, application should be made approximately 90 days before expiration; however, renewal can be applied for at any time during the term of the license.

4) If you are simply modifying your license (change of address, for example), you must fill out the Form 610; a letter is no longer sufficient. Incidentally, your license will also be automatically renewed at this time.

5) If you have any questions or problems, drop a note to the Membership Services Department, ARRL.

Table 1

The "Considerate Operator's Frequency Guide"

Some frequencies that are generally recognized for certain modes or certain activities:

1800-1810 kHz	cw, DX calling	21.09-21.10 MHz	RTTY
1825-1830 kHz	"DX window" (no W/VEs)	21.34 MHz	SSTV
3610-3630 kHz	RTTY	28.09-28.10 MHz	RTTY
3845 kHz	SSTV	28.68 MHz	SSTV
7090-7100 kHz	RTTY	28.30-29.50 MHz	Satellite downlinks
7171 kHz	SSTV	29.52-29.58 MHz	Repeater inputs
14.08-14.10 MHz	RTTY	29.60 MHz	FM simplex
14.23 MHz	SSTV	29.62-29.68 MHz	Repeater outputs

(In addition, on 20 meters in particular, the low end of the U.S. phone segment is reserved for DX, the high end for traffic, and ragchewing in between. The dividing lines are not definite, however.) Radio Control R/C Channels: 53.1, 53.2, 53.3, 53.4, 53.5, 53.6, 53.7 and 53.8 MHz.

U.S. Amateur Frequency and Mode Allocations

Power Limits: All U.S. amateurs are limited to 250-watts dc input in the Novice segments. On all other segments, with certain exceptions in the 160-meter and 420-MHz bands, 1-kilowatt dc input is permitted. Also, there are erp limitations for stations in repeater operation. (See 97.67, FCC rules.) At all times the power level should be kept down to that necessary to maintain communications. (Revised as of December 6, 1980)

Bandwidth Limitations

FREQUENCY (OR PHASE) MODULATION: On frequencies below 29.0 MHz, the bandwidth of F3 emission shall not exceed that of an A3 emission having the same audio characteristics.

TELEVISION: On frequencies below 50 MHz, the bandwidth of A5 and F5 emissions shall not exceed that of an A3 single sideband emission. Between 50 and 225 MHz, single sideband or double sideband A5 may be used and the bandwidth shall not exceed that of an A3 single sideband or double sideband signal respectively. The bandwidth of F5 emission shall not exceed that of an A3 single sideband emission. Below 225 MHz, A3 and A5 emissions may be used simultaneously on the same carrier frequency provided the total bandwidth does not exceed that of an A3 double sideband emission.

DIGITAL TRANSMISSION:

(a) *International Telegraphic Alphabet No. 2 (Baudot code).* When using frequency-shift keying, the shift shall be less than 900 Hz. With audio frequency-shift keying, the highest fundamental modulating frequency shall not exceed 3000 Hz and the audio frequency shift shall be less than 900 Hz.

(b) *American Standard Code for Information Interchange (ASCII).* F1 emission shall be utilized on those frequencies between 3.5 and 21.25 MHz where its use is permissible, and the sending speed shall not exceed 300 bauds. F1, F2 and A2 emissions may be utilized on those frequencies between 28 and 225 MHz where their use is permissible and the sending speed shall not exceed 1200 bauds. F1, F2 and A2 emissions may be utilized on those frequencies above 420 MHz where their use is permissible and the sending speed shall not exceed 19.6 kilobauds.

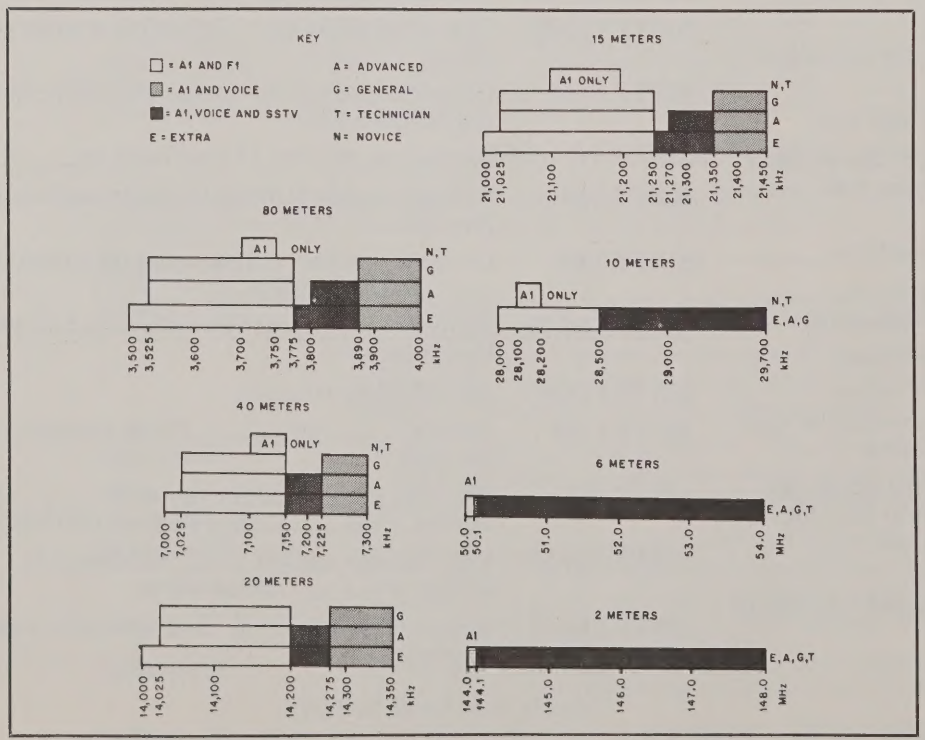
The code must conform to the American Standard Code for Information Interchange (ASCII) as defined in American National Standards Institute (ANSI) standard X3.4-1968. See §97.69 of the Amateur Rules.

ALL MODES: The carrier frequency plus modulating frequencies must be contained within amateur allocations and within appropriate subbands.

NOTE: Some amateur bands are shared with other services. Some geographical limitations exist for the 420-MHz band. For details, and for information on specialized modes, see *ARRL License Manual.* For information on repeaters, see the *License Manual* and *Repeater Directory.*

160 METERS: Extra, Advanced and General may use some segments at 1.8-2.0 MHz. Limitations are on a geographical basis; see *License Manual* or request form MS/G-7 from ARRL hq.

Other — All modes, except as noted.



Extra, Advanced, General, Technician

MHz	*GHz***
220-225*	10.0-10.5*
420-450*	24.0-24.25
1215-1300*	48.0-50.0
2300-2450	71.0-76.0
3300-3500	165.0-170.0
5650-5925	240.0-250.0
	All above 300

*Pulse not permitted.
**1 GHz = 1000 MHz.

INTERNATIONAL Q SIGNALS

A Q signal followed by a ? asks a question. A Q signal without the ? answers the question affirmatively, unless otherwise indicated.

QRA	What is the name of your station?
QRG	What's my exact frequency?
QRH	Does my frequency vary?
QRI	How is my tone? (1-3)
QRK	What is my signal intelligibility? (1-5)
QRL	Are you busy?
QRM	Is my transmission being interfered with?
QRN	Are you troubled by static?
QRO	Shall I increase transmitter power?
QRP	Shall I decrease transmitter power?
QRQ	Shall I send faster?
QRS	Shall I send slower?
QRT	Shall I stop sending?
QRU	Have you anything for me? (Answer in negative).
QRV	Are you ready?
QRW	Shall I tell.....you're calling him?
QRX	When will you call again?
QRZ	Who is calling me?
QSA	What is my signal strength? (1-5)
QSB	Are my signals fading?
QSD	Are my signals mutilated?
QSG	Shall I send.....messages at a time?
QSK	Can you work breakin?
QSL	Can you acknowledge receipt?
QSM	Shall I repeat the last message sent?
QSO	Can you communicate with.....direct?
QSP	Will you relay to.....?
QSV	Shall I send a series of V's?
QSW	Will you transmit on.....?
QSX	Will you listen for.....on.....?
QSY	Shall I change frequency?
QSZ	Shall I send each word/group more than once? (Answer, send twice or.....)
QTA	Shall I cancel number.....?
QTB	Do you agree with my word count? (Answer negative).
QTC	How many messages have you to send?
QTH	What is your location?
QTR	What is your time?
QTV	Shall I stand guard for you.....?
QTX	Will you keep your station open for further communication with me?
QUA	Have you news of.....?

TIME CONVERSION CHART

UTC	EDT/AST	CDT/EST	MDT/CST	PDT/MST	PST
0000*	2000	1900	1800	1700	1600
0100	2100	2000	1900	1800	1700
0200	2200	2100	2000	1900	1800
0300	2300	2200	2100	2000	1900
0400	0000*	2300	2200	2100	2000
0500	0100	0000*	2300	2200	2100
0600	0200	0100	0000*	2300	2200
0700	0300	0200	0100	0000*	2300
0800	0400	0300	0200	0100	0000*
0900	0500	0400	0300	0200	0100
1000	0600	0500	0400	0300	0200
1100	0700	0600	0500	0400	0300
1200	0800	0700	0600	0500	0400
1300	0900	0800	0700	0600	0500
1400	1000	0900	0800	0700	0600
1500	1100	1000	0900	0800	0700
1600	1200	1100	1000	0900	0800
1700	1300	1200	1100	1000	0900
1800	1400	1300	1200	1100	1000
1900	1500	1400	1300	1200	1100
2000	1600	1500	1400	1300	1200
2100	1700	1600	1500	1400	1300
2200	1800	1700	1600	1500	1400
2300	1900	1800	1700	1600	1500
2400*	2000	1900	1800	1700	1600

Universal Coordinated Time (UTC) is the time at the zero or reference meridian. Time changes one hour with each change of 15° in longitude. The five time zones in the U.S. proper and Canada roughly follow these lines.

*0000 and 2400 are interchangeable. 2400 is associated with the date of the day ending, 0000 with the day just starting.

THE R-S-T SYSTEM

READABILITY

1 — Unreadable.
2 — Barely readable, occasional words distinguishable.
3 — Readable with considerable difficulty.
4 — Readable with practically no difficulty.
5 — Perfectly readable.

SIGNAL STRENGTH

1 — Faint signals, barely perceptible.
2 — Very weak signals.
3 — Weak signals.
4 — Fair signals.
5 — Fairly good signals.
6 — Good signals.
7 — Moderately strong signals.
8 — Strong signals.
9 — Extremely strong signals.

TONE

1 — Sixty cycle a.c. or less, very rough and broad.
2 — Very rough a.c. very harsh and broad.
3 — Rough a.c. tone, rectified but not filtered.
4 — Rough note, some trace of filtering.
5 — Filtered rectified a.c. but strongly ripple-modulated.
6 — Filtered tone, definite trace of ripple modulation.
7 — Near pure tone, trace of ripple modulation.
8 — Near perfect tone, slight trace of modulation.
9 — Perfect tone, no trace of ripple or modulation of any kind.

If the signal has the characteristic steadiness of crystal control, add the letter X to the RST report. If there is a chirp, the letter C may be added to so indicate. Similarly a click, add K. The above reporting system is used on c w and voice, leaving out the "tone" report on voice.

ITU Phonetic Alphabet

Word list adopted by the International Telecommunication Union

A	ALFA
B	BRAVO
C	CHARLIE
D	DELTA
E	ECHO
F	FOXTROT
G	GOLF
H	HOTEL
I	INDIA
J	JULIETT
K	KILO
L	LIMA
M	MIKE
N	NOVEMBER
O	OSCAR
P	PAPA
Q	QUEBEC
R	ROMEO
S	SIERRA
T	TANGO
U	UNIFORM
V	VICTOR
W	WHISKEY
X	X-RAY
Y	YANKEE
Z	ZULU

IN AN EMERGENCY

Monitor your local emergency net frequency.

Make contact with your local EC or RO.

Take immediate steps to follow any prearranged plans.

Stay off the air unless or until you are *sure* you can be of assistance.

In widespread emergencies, monitor WIAW for latest bulletins and news.


A
R
R
L